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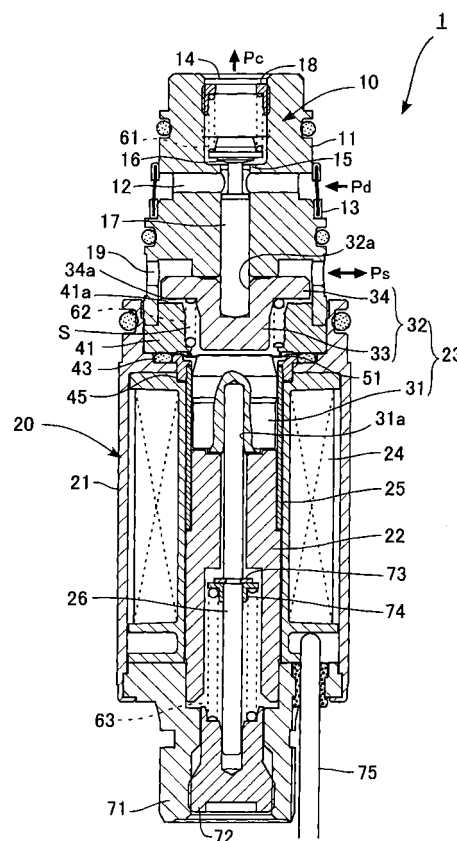
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(54) **Control valve for variable displacement compressor**

(57) In the control valve 1 a predetermined space S is formed between a holder 41 and a small-diameter portion 33 of a second plunger 32, to reduce radial attractive magnet forces for the second plunger 32. Axially opposed faces 34a, 41a formed on a large-diameter portion 34 of the second plunger 32 and the holder 41 for achieving an efficient a magnetic circuit, to increase the axial attractive magnet force for the second plunger 32, and to relatively increase the force in valve-closing direction of a valve element 16 connected to the second plunger 32.



**FIG. 1**



European Patent  
Office

# EUROPEAN SEARCH REPORT

Application Number  
EP 05 00 1578

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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			TECHNICAL FIELDS SEARCHED (IPC)
			F04B
The present search report has been drawn up for all claims			
Place of search <b>Munich</b>		Date of completion of the search <b>22 November 2006</b>	Examiner <b>OLONA LAGLER, C</b>
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... &amp; : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 05 00 1578

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
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22-11-2006

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